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PATENT APPLICATION
Attorney Docket No.: MCS-005-03 (303702.01)
USPTO Customer Number: 27662

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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| In re Application of Liu, et al. | : | Group Art Unit: Unknown |
| | : | |
| Entitled: A SYSTEM AND METHOD FOR MULTI-STAGE PREDICTIVE MOTION ESTIMATION | : | Examiner: Unknown |
| | : | |
| Serial No.: 10/600,520 | : | |
| | : | |
| Filing Date: June 19, 2003 | : | |

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97(b)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA, 22313-1450

Sir:

Attached hereto is Form PTO-1449 listing documents believed relevant to the subject application. It is respectfully requested that these documents be made of record and an initialed copy of each form be returned to the undersigned.

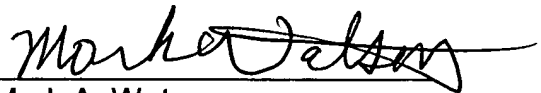
This disclosure statement should not be construed as a representation that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. Furthermore, no admission is being made that these documents are prior art, and applicant reserves the right to challenge any such conclusion.

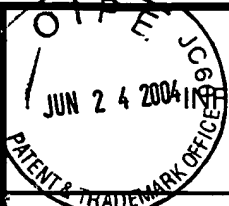
It is believed that this disclosure complies with the requirements of 37 CFR 1.56, 1.97, and 1.98, and the manual of Patent Examining Procedures, section 609 and 707.05. If for some reason the Examiner considers otherwise, it is respectfully requested that the undersigned be called so that any deficiencies can be remedied.

A copy of these documents is enclosed unless indicated otherwise. Some of the documents may have markings on them. No significance is meant to be attached to the markings. These documents are not necessarily analogous art.

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Respectfully submitted,


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Attorney for Applicants

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|  <p style="margin: 0;">INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)</p> | | | | | DOCKET NO.: MCS-005-03 (303702.01) | | SERIAL NO.: 10/600,520 | |
| | | | | | INVENTOR: Liu, et al. | | | |
| | | | | | FILING DATE: June 19, 2003 | | GROUP: Unknown | |
| U.S. PATENT DOCUMENTS | | | | | | | | |
| *Examiner Initial | Ref. | Document Number | Date | Name | Class | Subclass | Filing Date (If Appropriate) | |
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| FOREIGN PATENT DOCUMENTS | | | | | | | | |
| | | Document Number | Date | Country | Class | Subclass | Translation | |
| | | | | | | | Yes | No |
| | | | | | | | | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | | |
| | A1 | R. Li, B. Zeng, and M. L. Liou, "A new three-step search algorithm for block motion estimation," IEEE Trans. Circuits Syst. Video Technol., vol. 4, pp 438 – 442, Aug. 1994. | | | | | | |
| | A2 | S. Zhu and K. K. Ma, "A new diamond search algorithm for fast block matching motion estimation," IEEE Transactions on Image Processing, Vol. 9, No. 2, February 2000 | | | | | | |
| | A3 | A. M. Tourapis, O. C. Au, M. L. Liou, G. Shen, and I. Ahmad, "Optimizing the MPEG-4 encoder-advanced diamond zonal search," in Proc. 2000 Int. Symp. Circuits and Systems, vol. 3, pp. 674 – 677, Geneva, Switzerland, May, 2000. | | | | | | |
| | A4 | Ce Zhu, Xiao Lin, Lap-Pui Chau, Keng-Pang Lim, Hock-Ann Ang, Choo-Yin Ong, "A Novel Hexagon-Based Search Pattern for Fast Block Motion Estimation," IEEE International Conference on Acoustics, Speech, and Signal Processing 2001, May 10, 2001. | | | | | | |
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| EXAMINER: | | | | DATE CONSIDERED: | | | | |

*EXAMINER: Initial if any reference considered, whether or not the citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.